

TECHNICAL BULLETIN  
JTBO0356NAS2  
19 SEP 2016



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NOTE: The information in Technical Bulletins is intended for use by trained, professional Technicians with the knowledge, tools, and equipment required to do the job properly and safely. It informs these Technicians of conditions that may occur on some vehicles, or provides information that could assist in proper vehicle service. The procedures should not be performed by 'do-it-yourselfers'. If you are not a Retailer, do not assume that a condition described affects your vehicle. Contact an authorized Jaguar service facility to determine whether this bulletin applies to a specific vehicle.

**This reissue replaces all previous versions. Please destroy all previous versions.**

Changes are highlighted in gray

**SECTION: 303-12**

Supercharger 'Clattering' / 'Knock' / 'Rattle' Noise

**AFFECTED VEHICLE RANGE:**

**F-TYPE (X152)**

**Model Year:** 2014  
**VIN:** K00001-K10800 V6 S/C 3.0L Petrol  
**Assembly Plant:** Castle Bromwich

**XF (X250)**

**Model Year:** 2013-2014  
**VIN:** S50937-U21817 V6 S/C 3.0L Petrol  
**Assembly Plant:** Castle Bromwich

**XJ Range (X351)**

**Model Year:** 2013-2014  
**VIN:** V34128-V65921 V6 S/C 3.0L Petrol  
**Assembly Plant:** Castle Bromwich

**MARKETS:**

NAS

**CONDITION SUMMARY:**

**Situation:** A 'clattering' / 'knock' / 'rattle' noise may be heard from the engine.

**Cause:** This may be caused by torsional isolator and/or the torsional isolator spring support shaft wear causing excessive backlash in the supercharger drive.

**Action:** Should a Customer express this concern, follow the Service Instruction outlined below.

**PARTS:**

C2D40425	Supercharger spring isolator kit - V6 3.0L S/C Petrol	1
C2Z17249	Gasket	2
C2Z28265	Gasket	1

**TOOLS:**

Refer to Workshop Manual for any required special tools.

**WARRANTY:**



**NOTE: Repair procedures are under constant review, and therefore times are subject to change; those quoted here must be taken as guidance only. Always refer to TOPIx to obtain the latest repair time.**



**NOTE: DDW requires the use of causal part numbers. Labor only claims must show the causal part number with a quantity of zero.**

DESCRIPTION	SRO	TIME (HOURS)	CONDITION CODE	CAUSAL PART
Isolator - Supercharger - Renew - F-TYPE (X152; V6 3.0L S/C Petrol)	<b>18.50.69</b>	3.3	42	C2D40425
Isolator - Supercharger - Renew - XF (X250; V6 3.0L S/C Petrol)	<b>18.50.69</b>	4.5	42	C2D40425
Isolator - Supercharger - Renew - XJ (X351; V6 3.0L S/C Petrol)	<b>18.50.69</b>	4.5	42	C2D40425



**NOTE: Normal Warranty procedures apply.**

### **SERVICE INSTRUCTION:**



1. **NOTE: Removal of the supercharger drive belt and running of the engine to verify the noise is emanating from the supercharger assembly must be done prior to the fitting of a new supercharger assembly.**

Remove the supercharger drive belt and rotate the supercharger pulley by hand (see TOPIx Workshop Manual Section 303-05: Supercharger Belt).

- If there is a 'clunk' / 'knock' noise from the supercharger or significant free play when turning the pulley before the rotors start to turn and **not** one of the symptoms below, install a supercharger spring isolator kit (see TOPIx Workshop Manual section 303-12).
- If any of the following symptoms are present, replace the supercharger assembly. To be performed as a separate claim.
  - The pulley does not rotate freely ('sticks', difficult to move, roughness felt in bearing); **and/or**
  - The blades / rotors are damaged; **and/or**
  - Customer reported excessive 'whine' noise from the supercharger.
- If none of the above faults are present, install the supercharger drive belt (see TOPIx Workshop Manual Section 303-05: Supercharger Belt).
  - Continue to investigate other potential causes of the Customer concern.